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JUN 19 2002

TECH CENTER 1600/2900

SEQUENCE LISTING

<110> YAN, Chunhua et al

<120> ISOLATED HUMAN DRUG-METABOLIZING
PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
DRUG-METABOLIZING PROTEINS,
AND USES THEREOF

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1			5						10					15	
Cys	Leu	Leu	Ile	Leu	Ile	Ala	Trp	Lys	Arg	Val	Gln	Lys	Pro	Gly	Arg
		20						25					30		
Leu	Pro	Pro	Gly	Pro	Thr	Pro	Ile	Pro	Phe	Leu	Gly	Asn	Leu	Leu	Gln
		35					40					45			
Val	Arg	Thr	Asp	Ala	Thr	Phe	Gln	Ser	Phe	Leu	Lys	Leu	Arg	Glu	Lys
	50				55					60					
Tyr	Gly	Pro	Val	Phe	Thr	Val	Tyr	Met	Gly	Pro	Arg	Pro	Val	Val	Ile
65					70				75					80	
Leu	Cys	Gly	His	Glu	Ala	Val	Lys	Glu	Ala	Leu	Val	Asp	Arg	Ala	Asp
			85					90					95		
Glu	Phe	Ser	Gly	Arg	Gly	Glu	Leu	Ala	Ser	Val	Glu	Arg	Asn	Phe	Gln
		100						105					110		
Gly	His	Gly	Val	Ala	Leu	Ala	Asn	Gly	Glu	Arg	Trp	Arg	Ile	Leu	Arg
	115						120					125			
Arg	Phe	Ser	Leu	Thr	Ile	Leu	Arg	Asp	Phe	Gly	Met	Gly	Lys	Arg	Ser
	130					135					140				
Ile	Glu	Glu	Arg	Ile	Gln	Glu	Glu	Ala	Gly	Tyr	Leu	Leu	Glu	Glu	Phe
145				150					155						160
Arg	Lys	Thr	Lys	Gly	Ala	Pro	Ile	Asp	Pro	Thr	Phe	Phe	Leu	Ser	Arg
			165					170						175	
Thr	Val	Ser	Asn	Val	Ile	Ser	Ser	Val	Val	Phe	Gly	Ser	Arg	Phe	Asp
		180					185					190			
Tyr	Glu	Asp	Lys	Gln	Phe	Leu	Ser	Leu	Leu	Arg	Met	Ile	Asn	Glu	Ser
	195					200						205			
Phe	Ile	Glu	Met	Ser	Thr	Pro	Trp	Ala	Gln	Leu	Tyr	Asp	Met	Tyr	Ser
	210					215					220				
Gly	Val	Met	Gln	Tyr	Leu	Pro	Gly	Arg	His	Asn	Arg	Ile	Tyr	Tyr	Leu
225				230						235					240
Ile	Glu	Glu	Leu	Lys	Asp	Phe	Ile	Ala	Ala	Arg	Val	Lys	Val	Asn	Glu
			245					250						255	
Ala	Ser	Leu	Asp	Pro	Gln	Asn	Pro	Arg	Asp	Phe	Ile	Asp	Cys	Phe	Leu
		260						265					270		
Ile	Lys	Met	His	Gln	Asp	Lys	Asn	Asn	Pro	His	Thr	Glu	Phe	Asn	Leu
	275						280					285			
Lys	Asn	Leu	Val	Leu	Thr	Thr	Leu	Asn	Leu	Phe	Phe	Ala	Gly	Thr	Glu
	290					295					300				
Thr	Val	Ser	Ser	Thr	Leu	Arg	Tyr	Gly	Phe	Leu	Leu	Ile	Met	Lys	His
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Pro	Glu	Val	Gln	Thr	Lys	Ile	Tyr	Glu	Glu	Ile	Asn	Gln	Val	Ile	Gly
			325					330						335	
Pro	His	Arg	Ile	Pro	Ser	Val	Asp	Asp	Arg	Val	Lys	Met	Pro	Phe	Thr
		340						345					350		
Asp	Ala	Val	Ile	His	Glu	Ile	Gln	Arg	Leu	Thr	Asp	Ile	Val	Pro	Met
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Gly	Val	Pro	His	Asn	Val	Ile	Arg	Asp	Thr	His	Phe	Arg	Gly	Tyr	Leu

370		375		380
Leu Pro Lys Gly Thr Asp Val Phe Pro Leu Leu Gly Ser Val Leu Lys				
385		390		395
Asp Pro Lys Tyr Phe Cys His Pro Asp Asp Phe Tyr Pro Gln His Phe				400
	405		410	415
Leu Asp Glu Gln Gly Arg Phe Lys Lys Asn Glu Ala Phe Val Pro Phe				
	420		425	430
Ser Ser Gly Lys Arg Ile Cys Leu Gly Glu Ala Met Ala Arg Met Glu				
	435	440		445
Leu Phe Leu Tyr Phe Thr Ser Ile Leu Gln Asn Phe Ser Leu His Pro				
	450	455		460
Leu Val Pro Pro Val Asn Ile Asp Ile Thr Pro Lys Ile Ser Gly Phe				
465		470		475
Gly Asn Ile Pro Pro Thr Tyr Glu Leu				480
	485			